

**Cold fusion energy generating source for nuclear reaction control - with deuterium stored in laminate with layers of different material, e.g. gp. 8 metal to prevent contamination in condensed materials**

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**Abstract**

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Source uses host materials for storing high concns. of deuterium (D2) in layers, in the form of a laminate of chemically different materials. Pref. materials are Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt, Ti, Zr, Hf or the elements immediately adjacent to these. Xe135 is included in concn. of up to 10%. The materials are in thin films or plates and D2 is introduced between them in gas form or electrolytically opt. with applied electric field. The supply of D2 and/or abstraction of the thermal energy generated is controlled. USE/ADVANTAGE - D2 between layers of material minimises deterioration of the surfaces, esp. contamination, in cold fusion reactors. The generator can give an energy of 100 kW/cc. Its size can be varied widely, from large generators to small sources in houses or cars. For a car used for a few hrs. a day, ca. 10-100 g D2/year are needed.

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